	Application No.	Applicant(s)		
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Notice of Allowability	10/618,595 Examiner	MIDO ET AL.  Art Unit		
	LAGITITIE	Artonic		
	Eric W. Thomas	2831		
The MAILING DATE of this communication apperature All claims being allowable, PROSECUTION ON THE MERITS IS herewith (or previously mailed), a Notice of Allowance (PTOL-85) NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RI of the Office or upon petition by the applicant. See 37 CFR 1.313	(OR REMAINS) CLOSED in or other appropriate commu GHTS. This application is s	n this application. If not include unication will be mailed in due o	d course. <b>THIS</b>	
1. X This communication is responsive to the paper filed 12/30/	<u>03</u> .			
2. ☑ The allowed claim(s) is/are <u>1-51</u> .				
3. A The drawings filed on 15 July 2003 are accepted by the Ex	aminer.			
<ul> <li>4.  Acknowledgment is made of a claim for foreign priority una a)  All b)  Some* c)  None of the:</li> <li>1.  Certified copies of the priority documents have</li> <li>2.  Certified copies of the priority documents have</li> <li>3.  Copies of the certified copies of the priority documents have International Bureau (PCT Rule 17.2(a)).</li> <li>* Certified copies not received:</li> </ul>	been received. been received in Applicatio cuments have been received	n No d in this national stage applicati		
Applicant has THREE MONTHS FROM THE "MAILING DATE" on noted below. Failure to timely comply will result in ABANDONM THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.		a reply complying with the req	uirements	
<ol> <li>A SUBSTITUTE OATH OR DECLARATION must be submi INFORMAL PATENT APPLICATION (PTO-152) which give</li> </ol>	tted. Note the attached EXA s reason(s) why the oath or	MINER'S AMENDMENT or NO declaration is deficient.	OTICE OF	
6. CORRECTED DRAWINGS ( as "replacement sheets") mus	t be submitted.			
(a) $\square$ including changes required by the Notice of Draftspers	on's Patent Drawing Review	/ ( PTO-948) attached		
1) 🔲 hereto or 2) 🔲 to Paper No./Mail Date				
(b) ☐ including changes required by the attached Examiner's Paper No./Mail Date	Amendment / Comment or	in the Office action of		
Identifying indicia such as the application number (see 37 CFR 1. each sheet. Replacement sheet(s) should be labeled as such in the	84(c)) should be written on th ne header according to 37 CF	e drawings in the front (not the lR 1.121(d).	back) of	
<ol> <li>DEPOSIT OF and/or INFORMATION about the deposit attached Examiner's comment regarding REQUIREMENT I</li> </ol>	SIT OF BIOLOGICAL MATE FOR THE DEPOSIT OF BIO	ERIAL must be submitted. N DLOGICAL MATERIAL.	ote the	
Attachment(s)  1. ☑ Notice of References Cited (PTO-892)  2. ☐ Notice of Draftperson's Patent Drawing Review (PTO-948)	6. 🛛 Interview Su	formal Patent Application (PTO ummary (PTO-413),	)-152)	
Information Disclosure Statements (PTO-1449 or PTO/SB/0 Paper No./Mail Date	Paper No./l 8), 7. ⊠ Examiner's	No./Mail Date ner's Amendment/Comment		
4. ☐ Examiner's Comment Regarding Requirement for Deposit	8. 🛛 Examiner's	Statement of Reasons for Allov	wance	
of Biological Material	9. 🔲 Other	- C.2.7	3/12/05	
		ERIC W.TI PRIMARY E	HOMAS	

U.S. Patent and Trademark Office
PTOL-37 (Rev. 1-04)

Notice of

## **EXAMINER'S AMENDMENT**

1. An examiner's amendment to the record appears below. Should the changes and/or additions be unacceptable to applicant, an amendment may be filed as provided by 37 CFR 1.312. To ensure consideration of such an amendment, it MUST be submitted no later than the payment of the issue fee.

Authorization for this examiner's amendment was given in a telephone interview with Charles Watts on 3/16/05.

The application has been amended as follows:

Claim 41 line 13, change "filing" to -filling--.

Claim 46, line 1, change "42" to -44--.

Claim 46, line 2, change "electrodes" to -electrode--.

1. The following is an examiner's statement of reasons for allowance: The prior art does not teach or fairly suggest (taken in combination with the other claimed features) a solid electrolytic capacitor comprising an insulation portion penetrating a portion of said valve metal sheet where said dielectric layer, said solid electrolyte layer, and said collector layer are not provided (claims 1-30); a solid electrolytic capacitor comprising a penetration electrode penetrating said package in a direction from said first side to said second side of said valve metal sheet (claims 31-40); a method of manufacturing a solid electrolytic capacitor comprising the step of forming a through-hole electrode exposed to a second side of the valve metal sheet in the first penetration hole, the through-hole electrode being connected to the collector layer; forming an electrode terminal exposed to the second side of the valve metal sheet the electrode terminal being connected to

Art Unit: 2831

the valve metal (claims 41-43); a method of manufacturing a solid electrolytic capacitor blind - ET > | leles - CT > | leles -

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

## Conclusion

- 2. The prior art made of record and not relied upon is considered pertinent to applicant's disclosure.
  - 6,510,045 a solid electrolytic capacitor having vias.
  - 6,775,126 a solid electrolytic capacitor having conductive terminals extending in a valve metal sheet.
  - 6,785,147 a solid electrolytic capacitor within a circuit module.
  - 6,822,849 a solid electrolytic capacitor having conductive vias extending through a valve metal foil.

6,852,137 – discloses a method for manufacturing a solid electrolytic capacitor.

6,855,177 – discloses a method form producing a solid electrolytic capacitor.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Eric W. Thomas whose telephone number is 571-272-1985. The examiner can normally be reached on Monday - Friday 5:30 AM - 2:00 PM.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Dean Reichard can be reached on 571-272-1984. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

ERICW.THOMAS
PRIMARY EXAMINER

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